## **CLAIM AMENDMENTS**

- 1. (Previously presented) A filter assembly comprising a plurality of longitudinal elongated filter elements that are suitable for separating fluid from solid particles, having an open upper end sealed into a sealing device and a closed bottom end attached to a filter support that is mounted on a filter grid, in which the filter grid has a plurality of grid elements together forming the filter grid, wherein at least a portion of the cross-section of the grid elements between two adjacent filter elements is pointiform.
- 2. (Previously presented) The filter assembly of claim 1, wherein the cross-section of the grid element is pointiform over at least the total portion of the grid element between the filter elements.
- 3. (Previously presented) The filter assembly of claim 2, wherein the point of the cross-section of the grid element has an angle  $\tau \le 2^*(90-\alpha)$ , and the angles  $\tau_1$  and  $\tau_2$  of each of the edges of said point with a perpendicular line are  $\le (90-\alpha)$ , wherein  $\alpha$  stands for the angle of repose of the solid particles.
- 4. (Previously presented) The filter assembly of claim 3, wherein the filter elements are at least substantially vertically mounted.
- 5. (Previously presented) The filter assembly of claim 4, wherein the surface of the grid element is smoothened.
- 6. (Previously presented) The filter assembly of claim 5, wherein the filter support is a longitudinal elongated extension that fits into a recess provided in the filter element.
- 7. (Previously presented) The filter assembly of claim 6, wherein the filter support is placed on a point of intersection of at least two grid elements.
- 8. (Previously presented) The filter assembly of claim 7, wherein the ratio of the total area of the horizontal cross-section at the maximum thickness of the grid elements: the total area of open parts of the filter grid is less than 1:1.5.

- 9. (Previously presented) The filter assembly of claim 8, wherein the ratio of the total area of the horizontal cross-section at the maximum thickness of the grid elements: the total area of open parts of the filter grid is between 1:3.5 and 1:5.
- 10. (Currently Amended) The A filter grid for accommodating a plurality of filter elements that are suitable for separating fluid from solid particles, said filter grid comprises: comprising filter supports, having at least a portion of the cross-section of the grid elements between two adjacent filter elements that is pointiform.
- 11. (Previously presented) A filter vessel comprising:
- a longitudinal vessel body having upper and lower ends;
- a master tube sheet separating the area of the vessel body containing fluid and the area containing fluid and solid particles;
- at least one inlet port in said vessel body for admitting fluid to be filtered from solid particles; outlet ports in said vessel for discharging the fluid and for discharging the solid particles; and at least one filter assembly comprising a plurality of longitudinal elongated filter elements that are suitable for separating fluid from solid particles, having an open upper end sealed into a sealing device and a closed bottom end attached to a filter support that is mounted on a filter grid, in which the filter grid has a plurality of grid elements together forming the filter grid, wherein at least a portion of the cross-section of the grid elements between two adjacent filter elements is pointiform.
- 12. (New) The filter assembly of claim 1, wherein the point of the cross-section of the grid element has an angle  $\tau \leq 2^*(90-\alpha)$ , and the angles  $\tau_1$  and  $\tau_2$  of each of the edges of said point with a perpendicular line are  $\leq (90-\alpha)$ , wherein  $\alpha$  stands for the angle of repose of the solid particles.
- 13. (New) The filter assembly of claim 1, wherein the filter elements are at least substantially vertically mounted.
- 14. (New) The filter assembly of claim 1, wherein the surface of the grid element is smoothened.
- 15. (New) The filter assembly of claim 1, wherein the filter support is a longitudinal elongated extension that fits into a recess provided in the filter element.

- 16. (New) The filter assembly of claim 1, wherein the filter support is placed on a point of intersection of at least two grid elements.
- 17. (New) The filter assembly of claim 1, wherein the ratio of the total area of the horizontal cross-section at the maximum thickness of the grid elements: the total area of open parts of the filter grid is less than 1:1.5.
- 18. (New) The filter assembly of claim 1, wherein the ratio of the total area of the horizontal cross-section at the maximum thickness of the grid elements: the total area of open parts of the filter grid is between 1:3.5 and 1:5.
- 19. (New) The filter grid of claim 10, wherein the filter supports are longitudinal elongated extensions that fit into a recess provided in the filter elements.